



Planning in a Watershed Context - Watershed Analyses

2006 Planning CoP Conference
San Francisco, CA

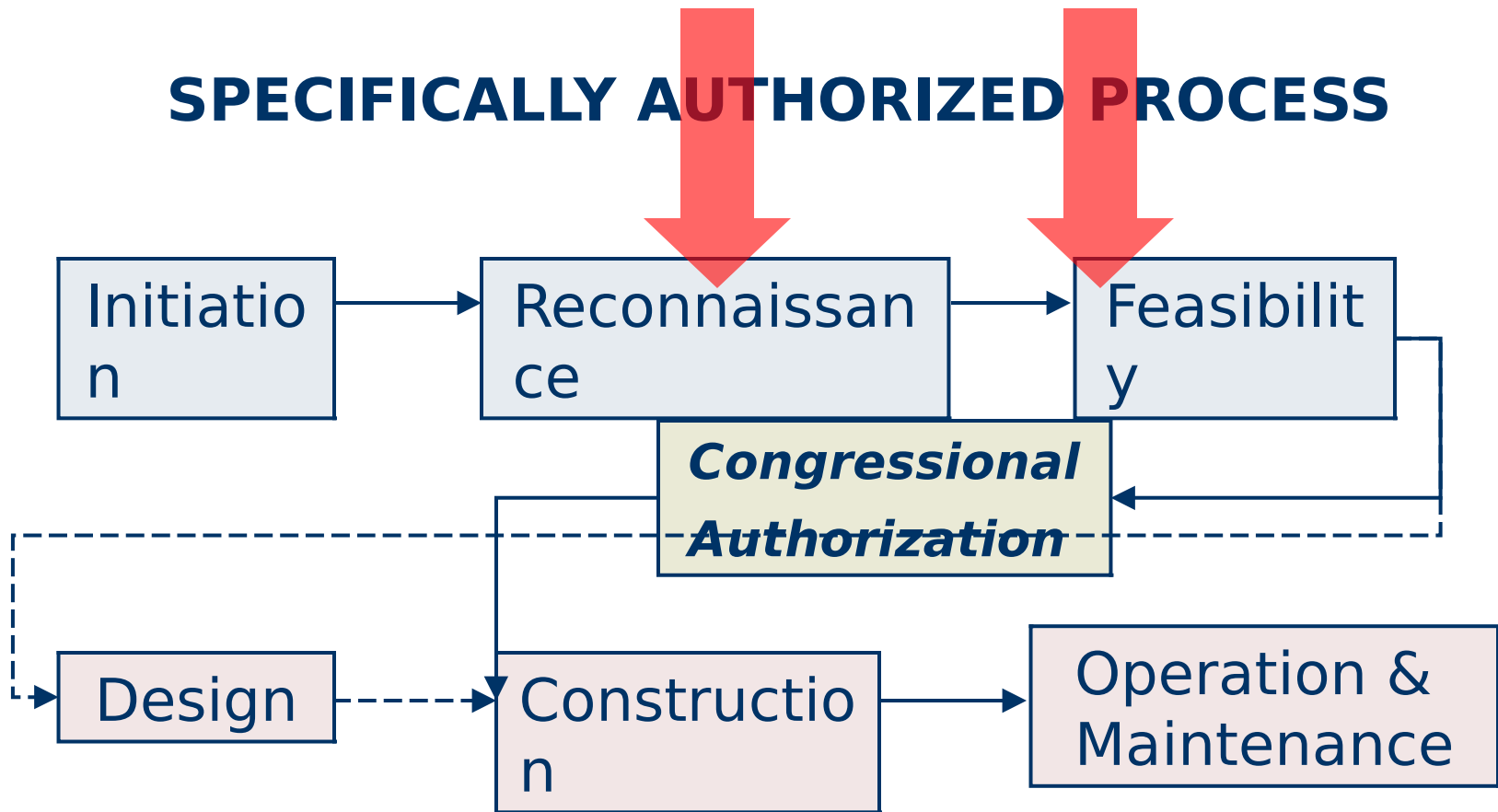
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Watershed Analyses are the Foundation for Water Resources Project Development



SPECIFICALLY AUTHORIZED PROCESS





WATERSHED PLANNING

- West Honolulu Watershed Study
- Ala Wai Watershed Analysis
- Central O'ahu Watershed Study
(FY06)
- West Maui Watershed
Restoration Project (FY07)
- Kaukonahua-Helemano
Watershed Project (FY07)

West Honolulu Watershed Study



Ala Wai
Watershed Analysis



Final Report

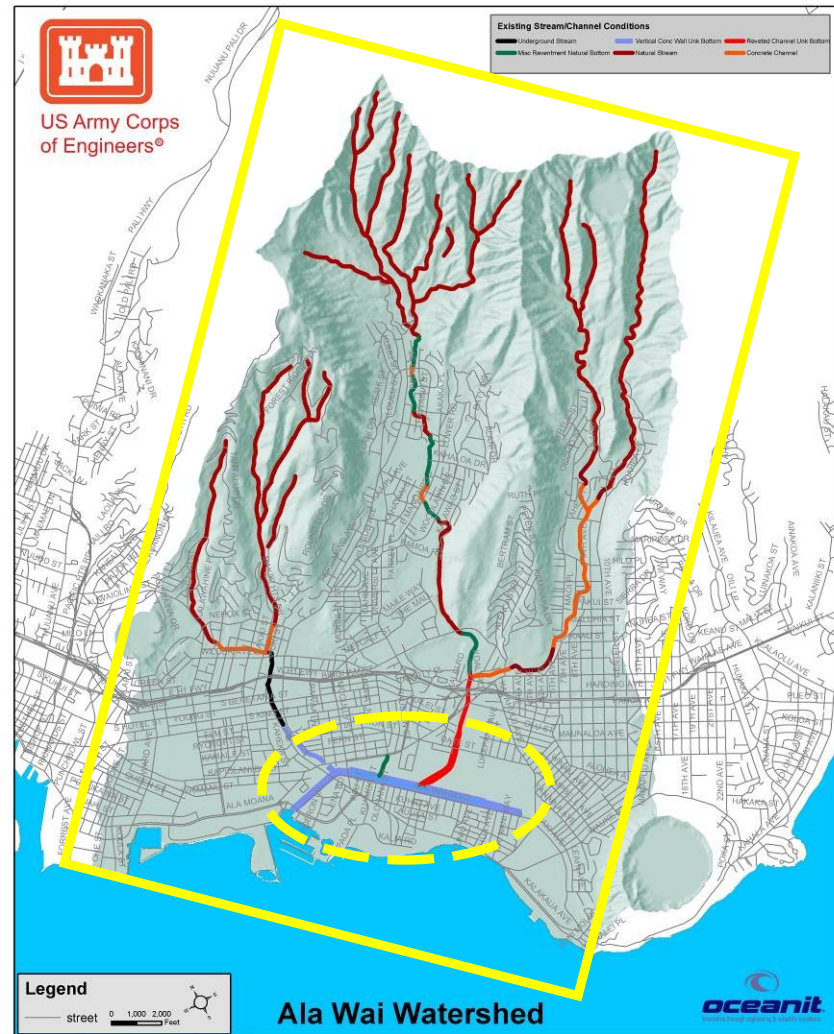
July 2003



PROJECT AREA

● Ala Wai Watershed (O'ahu)

- Makiki
- Mānoa
- Pālolo
- Waikīkī
- Kapahulu
- McCully
- Mo'ili'ili
- Ka'imuki





MAIN INGREDIENTS OF WATERSHED ANALYSIS

- IDENTIFICATION OF WATERSHED PROBLEMS**
- INVENTORY OF AVAILABLE DATA, INFORMATION, AND STUDIES; IDENTIFICATION OF DATA GAPS**
- RECOMMENDED PLANS AND ESTIMATED COST**
- AVAILABLE AGENCY PROGRAMS**



WATERSHED PROBLEMS

- Ecosystem degradation
- Elimination of indigenous natural resources
- Stream alterations/channelization
- Increase in storm water runoff; elimination of natural flood carrying capacity
- Pollution and sediment
- Invasive species
- Poorly planned development
- Disruption of natural water exchange processes





INVENTORY OF DATA

- Collection and review of previous reports, studies, and anecdotal information
- Consultations with key agency representatives, stakeholders, and land owners
- Identification of data gaps
- Recommendations to address data gaps



RECOMMENDED PLANS, COST, AND DURATION

- Can be used to help implementation agencies prioritize
- Not necessarily implemented by the Corps
- Watershed analysis coordinates these plans
- Estimated cost and duration to help agencies prioritize



AGENCY PROGRAMS

● Many agency programs are available to assist with addressing watershed problems. The watershed analysis identifies those agency programs that can be applied for each recommendation.



SPONSOR, STAKEHOLDER, PUBLIC INVOLVEMENT

- Regular meetings with the Sponsor
- Regular meetings and consultations with responsible agencies and large land owners
- Regular community meetings
- Stakeholder workshops



BENEFITS OF WATERSHED ANALYSES

- Holistic look at the watershed
- Inventory of watershed problems
- Inventory of information/data available on the watershed
- Coordinated solutions useful in agency planning
- Coordinated programs
- Indication of Federal, State, and local programs that may be leveraged in project implementation
- Corps feasibility studies can start with detailed analysis of alternatives



TIPS

- Watershed analyses costs about \$100K to \$200K
- Takes 1 to 2 years
- Work performed by consultants who have greater local knowledge to foster an integrated approach.



Federal, State, and local agencies have found the watershed analysis useful in the planning and programming of their limited resources. They have stated that a comprehensive inventory of problems, solutions, and programs have been missing for a long time. Local agencies have difficulty paying for comprehensive analyses.

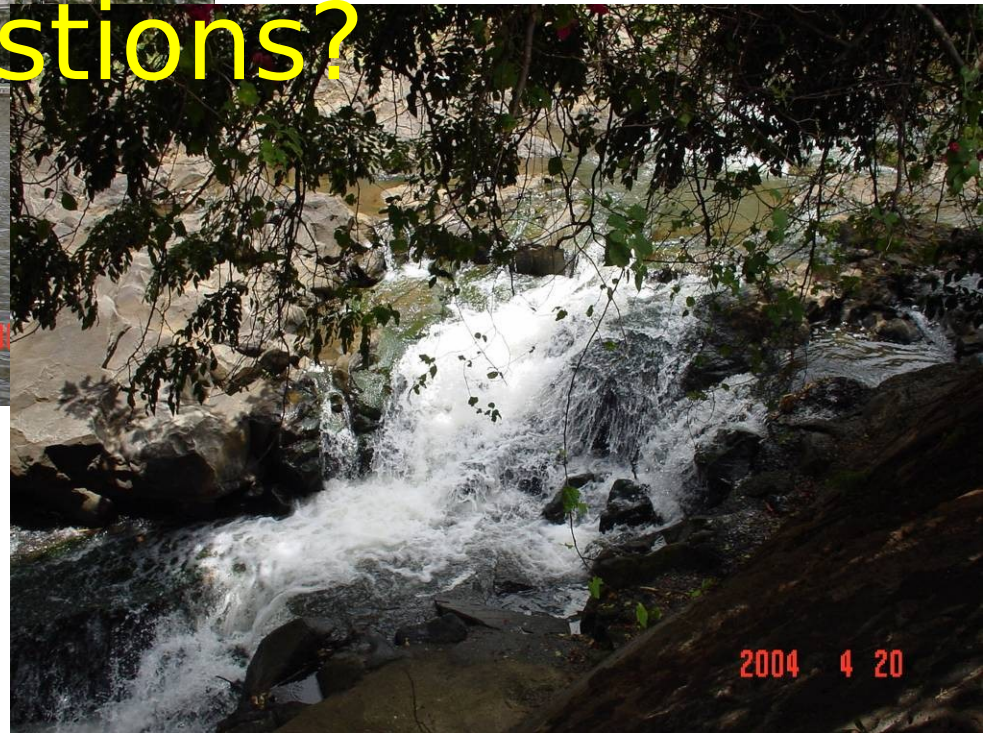


Project Website:
www.alawaicanalproject.net

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Questions?



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